

Remarks

Independent claims 1, 6, 9, 10, 19, 25, 26 & 28 have each been amended in a manner that is considered to patentably distinguish the present invention over the prior art of record and thus place these claims and the further claims depending therefrom in order for allowance. Claims 29 & 30 have now been cancelled.

Examiner will note that in the system taught by Calderbank (US 6115427) two antennas 116a & 116b are utilized but with different symbols being transmitted by the antennas (column 7, lines 16 & 17). Thus, there is no requirement to include a de-multiplexer as taught by Terry (US 6614861) in the system of Calderbank nor would there be any motivation to do so since such a combination would not provide a workable system.

In contrast, the present invention as now defined by the amended independent claims requires either that 1) the de-multiplexer de-multiplexes the modulation symbols to the signal outputs to provide a space-time symbol (or series of such symbols) which is transmitted by all of the transmit antennas or 2) the system has a receiver operable to receive space-time encoded symbols from a plurality of transmit antennas, each of said transmit antennas transmitting the same series of space-time encoded information symbols. Support for the amendment of the claims can be found at page 18, lines 3 to 5 of the description of the present application.

Neither of features 1) or 2) are taught or suggested by any of the prior art of record for use in systems of the types defined by respective independent claims of the present application.

In view of the above, it is believed that the present application is now in order for allowance.

August 3, 2004

Respectfully submitted,



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